

Title (en)

Radio frequency amplifier with small distortion and superior isolation

Title (de)

Hochfrequenzverstärker mit geringen Verzerrungen und hoher Abschirmung

Title (fr)

Amplificateur hautes frequences à faible distortion et isolation élevée

Publication

EP 1148550 B1 20040204 (EN)

Application

EP 01302706 A 20010323

Priority

JP 2000126240 A 20000420

Abstract (en)

[origin: EP1148550A1] A radio frequency amplifier includes first and second amplifier circuits (8a,8b) with a waveguide filter (10) provided therebetween. With this arrangement, transmission loss is reduced and distortion of the amplifier circuits is reduced compared with conventional amplifiers. It is therefore possible to provide a high-performance radio frequency amplifier. <IMAGE>

IPC 1-7

H01L 23/66; **H05K 9/00**; **H01P 1/201**

IPC 8 full level

H01P 1/208 (2006.01); **H01L 23/66** (2006.01); **H01P 5/103** (2006.01); **H01P 5/107** (2006.01); **H01P 7/06** (2006.01); **H03F 1/00** (2006.01); **H03F 1/32** (2006.01); **H03F 3/60** (2006.01); **H03F 3/68** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP US)

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Cited by

EP1367869A3; EP1592128A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1148550 A1 20011024; **EP 1148550 B1 20040204**; DE 60101918 D1 20040311; DE 60101918 T2 20041223; JP 2001308660 A 20011102; US 2001035805 A1 20011101; US 6624692 B2 20030923

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